

January 31, 2023
Our File: WEC-132L

Premier Danielle Smith
The Government of Alberta
premier@gov.ab.ca

Sent via email

Re: Western Energy Corridor

Dear Premier Smith:

I am a director of Western Energy Corridor Inc., a company established in 2020 to initiate the development of an energy corridor from east central Alberta to Churchill, Manitoba. I have attached an overview presentation of the Western Energy Corridor, and I also encourage you to consult our website at www.WesternEnergyCorridor.ca.

After reviewing various alternative corridors, we identified the most efficient and viable corridor capable of accommodating future development plans for oil, natural gas, and high-voltage electric transmission lines. Our corridor is ready for initiation of a consultative regulatory process, and our work includes detailed technical and economic reports, draft regulatory filing information, and detailed photomosaic corridor mapping to provide a two-way connection between Western Canada and tidewater at Churchill, Manitoba.

To advance the concept under federal jurisdiction, we have twice made a formal request that the federal government conduct a Regional Assessment of this proposed corridor, and twice our request has been denied.

We have also contacted the Alberta government and several key ministers and, surprisingly, have received no meaningful response. Premier Smith, based on the economic development plans you have mentioned, we are encouraged that the proposed Western Energy Corridor will now get the support from the Alberta government that it deserves. We are also encouraged by the recent comments from the Honorable Minister Pierre Poilievre.

We understand you may soon meet with German officials to discuss the merits of Alberta-sourced hydrocarbons. Please contact me if there is anything that we can do to assist you with preparing for these very important and urgent discussions.

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Premier Danielle Smith
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We strongly believe the Western Energy Corridor would be a substantial contributor to satisfying long-term global energy requirements.

Yours very truly,
Western Energy Corridor Inc.

<original signed by>

Barry Singleton, P. Eng.
Director
Cell: <personal information removed>
Barry.Singleton@WesternEnergyCorridor.ca

Attachment: **WEC Overview Presentation (April 2022)**

c.c.: The Honourable Pierre Poilievre, pierre.poilievre@parl.gc.ca

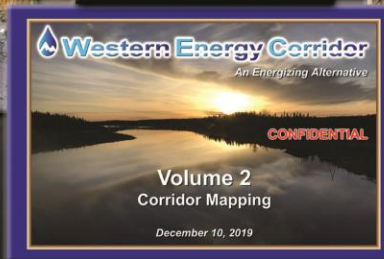
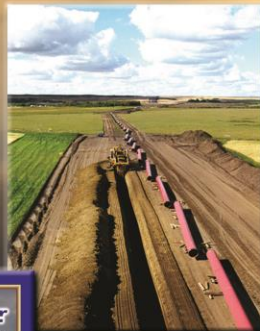
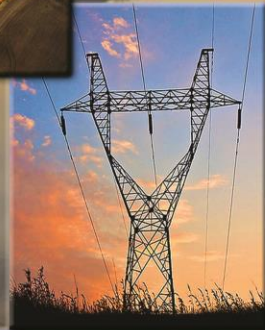
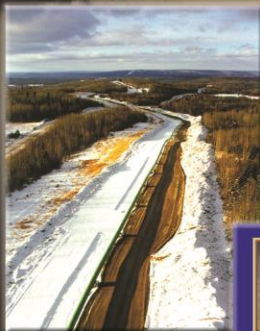
Western Energy Corridor

An Energizing Alternative



April 2022

Western Energy Corridor, designed and developed to economically transport Canada's valuable energy commodities through preeminent environmental and citizen-respected development.



The cover photo was taken of Armstrong Lake from the Hudson Bay Railway approximately 55 km east of Thompson, Manitoba.

May 2019

Who We Are

Barry Singleton

Barry.Singleton@WesternEnergyCorridor.ca

Bryan Singleton

Bryan.Singleton@WesternEnergyCorridor.ca

Barry and Bryan Singleton entered the pipeline industry in 1972. In 1979 they incorporated Singleton Associated Engineering Ltd. (Singleton), a successful Calgary-based pipeline engineering firm that provides professional consulting services in the areas of project management, pipeline engineering, pipeline route selection, construction planning and estimating, energy project certificate applications, expert testimony, construction management, quality control and assurance, and materials handling. Singleton has completed numerous pipeline projects ranging from small gathering lines and distribution systems to major cross-country transmission pipelines, including the Alliance Pipeline and the Tuscarora Gas Transmission System.

Dean Mutrie

Dean.Mutrie@WesternEnergyCorridor.ca

Dean Mutrie is a pioneer in the environmental inspection industry since 1973. He co-founded the EnForm Pipeline Environmental Inspection course in 1988. He has led numerous training courses across Canada and the U.S. for the NEB, the FERC and others. He is an internationally recognized expert on the environmental impacts of linear facilities and was sought out by the United Nations to be a theme representative on “Pipeline Engineering –Environmental Conservation”. As Founder and Principal of TERA Environmental Consultants for 27 years, he carried out over 300 pipeline and powerline projects totaling more than 30,000 km.

Jack Crawford

Jack.Crawford@WesternEnergyCorridor.ca

Jack Crawford, a professional engineer, has held several positions at the senior executive level, including President and CEO of Altex Energy Ltd. (a private energy infrastructure company); and Executive Vice President and Chief Operating Officer of one of North America’s largest pipeline systems, the Canadian and U.S. divisions of Alliance Pipeline Ltd., during the development, construction, and operation phase. Mr. Crawford held the position of Chair, Audit Committee, and independent board member of Pacific Northwest LNG, providing him with significant learning and understanding of prospective LNG facilities in Western Canada.

Norval Horner

Norval.Horner@WesternEnergyCorridor.ca

Norval Horner has over 45 years of experience in the North American energy industry. He holds an M.Sc. in Chemical Engineering and is a professional engineer registered in BC., Alberta, and Saskatchewan. His career has focused on natural gas and NGL marketing, and he has held various engineering roles in the design and construction of major energy plants and pipelines. He was Project Manager for the design and construction of the Aux Sable 2.1 Bcf/d cryogenic NGL extraction and fractionation processing plant located at the terminus of the Alliance Pipeline and then VP of supply for Aux Sable and Alliance Canada marketing. As a consultant, Mr. Horner was an expert advisor to the Ontario government, assisting them in evaluating the Energy East pipeline project.

Paul Anderson

Paul.Anderson@WesternEnergyCorridor.ca

Paul Anderson is a Calgary-based strategic advisor with over 30 years of professional experience and expertise in regulatory, land, environmental assessment, and approvals within western Canada’s oil and gas and pipeline industry. He was the Owner and President of HMA Land Services Ltd., a successful Western Canadian land management company subsequently sold to RPS Group, a global energy resources and environmental consultancy company. Mr. Anderson holds a B.Sc. in Biology from the University of Waterloo and an M.Sc. in Watershed Ecosystems from Trent University.

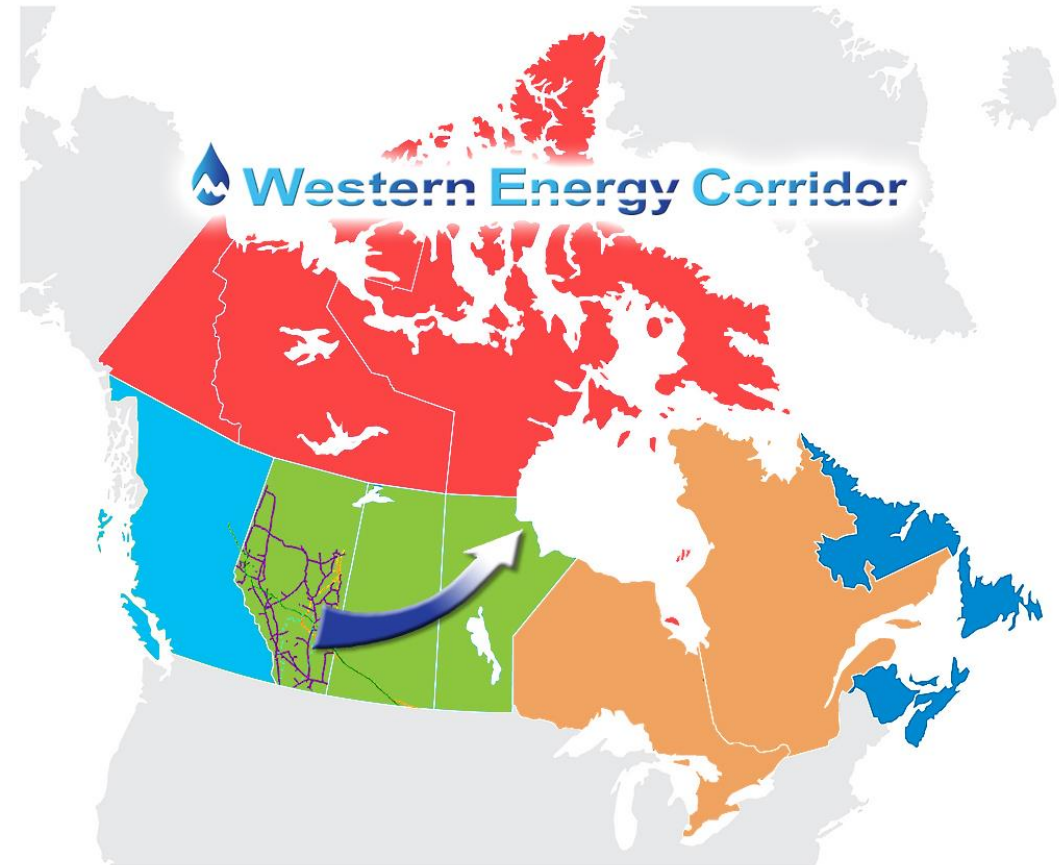
Vern Wadey

Vern.Wadey@WesternEnergyCorridor.ca

Vern Wadey has over 36 years of experience in the energy infrastructure, midstream, power generation, and LNG industries. His experience has been concentrated in corporate governance, large-scale project development, acquisitions, and natural gas marketing. Mr. Wadey has held various private board positions, including Alliance Pipeline, Aux Sable Liquids Processing, and Pristine Power. He was responsible for the initial creation and development of the Jordan Cove LNG export facility, proposed for Coos Bay, Oregon, and the related Pacific Connector pipeline. Mr. Wadey holds a B.Sc., Chemical Engineering, and an MBA. In 2007 he earned a Corporate Directors Designation (ICD.D) from the Institute of Corporate Directors.

Western Energy Corridor Background

- ❑ The Western Energy Corridor (WEC) team saw the need for pre-approved energy corridors to prepare for competitive export of Canada’s high-value, ethically produced energy reserves.
- ❑ Initially, WEC undertook an extensive review of corridors to the Westcoast, then decided to launch an analysis of five pipeline alternatives from Alberta to Hudson Bay.
- ❑ In early 2019, WEC pursued a specific energy corridor extending from east-central Alberta to Hudson Bay.
 - ❑ Following extensive routing work, including ground and aerial reconnaissance, a preferred energy corridor was selected that extends over 1,500 km and terminates in the vicinity of Churchill, Manitoba, on Hudson Bay. The result is the “**Western Energy Corridor**”.
- ❑ The corridor provides for multiple options or combinations, including natural gas or oil pipelines, high voltage DC powerlines, and future fuel options, such as hydrogen.
- ❑ In March 2021, Western Energy Corridor filed a “Request for a Regional Assessment with the Impact Assessment Agency of Canada (IAAC).”
- ❑ Various communications have occurred with the Minister of Natural Resources and other political leaders. None have resulted in an expression of interest by the government.
- ❑ See: www.WesternEnergyCorridor.ca



Western Energy Corridor will allow for one or more immediate term potential uses



Natural Gas Pipeline and LNG Facility

Natural gas transported from western Canada to Churchill, Manitoba, will help gasify cities, towns, and regions across Northern Saskatchewan and Manitoba, benefiting from low-cost, environmentally acceptable energy supplies.

A world-class liquefied natural gas plant and export terminal near Churchill, Manitoba, will allow western Canada's natural gas to be transported by small-sized LNG carriers to meet Canadian requirements, including energy needs within Canada's northern communities and territories.

Large scale ice-breaking and conventional LNG carriers will allow for LNG deliveries to Canada's Atlantic and Central provinces and the export of Canada's natural gas to diverse global markets.



Oil Pipeline and Export Terminal

A crude oil pipeline within the Western Energy Corridor will provide the most substantive economic benefit to all of Canada.

With a specially designed crude oil pipeline between Alberta and Churchill, Manitoba, and an oil export terminal constructed near Churchill, Canada's environmentally preferred crude oil supplies can be exported to Atlantic Canada and global petroleum markets.

A crude oil pipeline and export terminal at Churchill provide Canada with the fastest and highest economic return. Global crude oil markets are still immense; Canada's ESG-preferred oil should serve these markets vs. others. In time, these facilities provide a foundation for transporting future fuels like hydrogen.



Hydro Electric Transmission

The Western Energy Corridor allows Manitoba's hydroelectric resources to be transported to markets in Western Canada. High-voltage DC electric transmission lines (above ground or buried) would substantially benefit Canada's GHG emission goals, specifically in Western Canada.

Power from the proposed electric transmission line could supply electric drivers for compressors or pump stations, needed for natural gas and oil pipelines co-located within the Western Energy Corridor.

Expanding Manitoba's immense hydroelectric resources and utilizing the Western Energy Corridor to transport "green electricity" to Saskatchewan and Alberta will assist Canada's electrification through interprovincial power trade.

Market Access from Churchill to Canadian and Global Markets



- LNG or crude oil transportation from Churchill requires icebreaking ships for much of the year
- Product can be off-loaded and reloaded to conventional LNG or crude carriers in New Brunswick
 - Conventional carriers would complete the route (similar process employed by Russia)
- Canada's resources can competitively serve Canadian Central and Atlantic Canada energy markets

Canadian headquartered Teekay Shipping supplies some of the modern icebreaking LNG tankers for an LNG facility located in northern Russia



Source: Teekay Corporation Website



Source: Teekay Corporation website

Alternative planning corridors, and proposed corridor filed with IAAC for a Regional Assessment

March 23, 2021

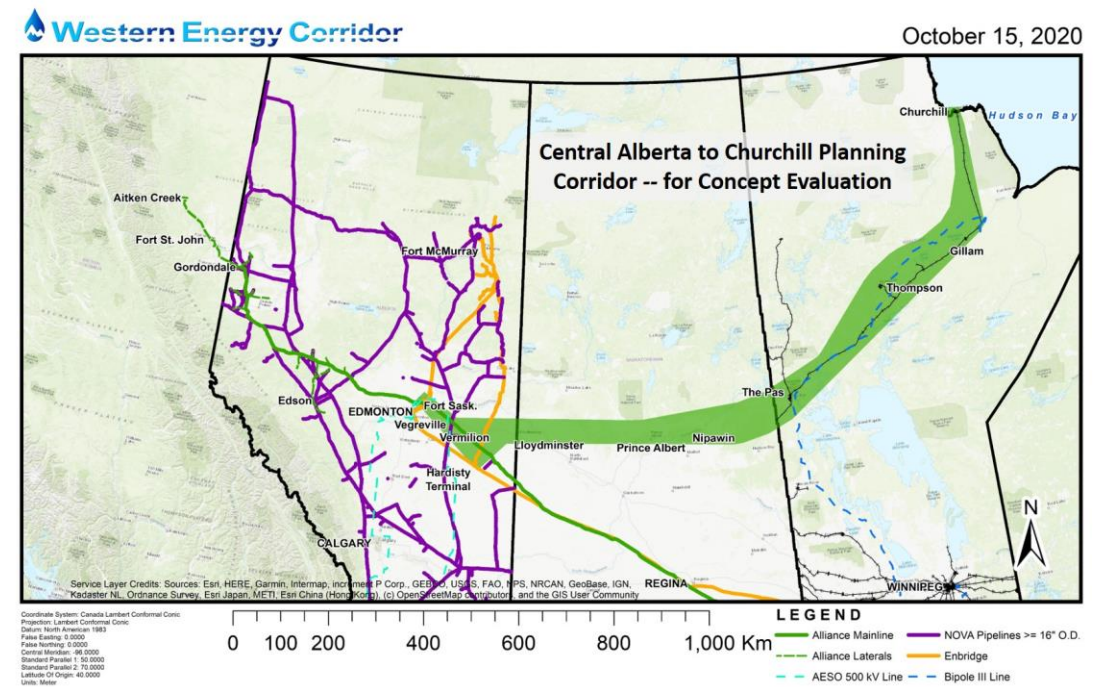
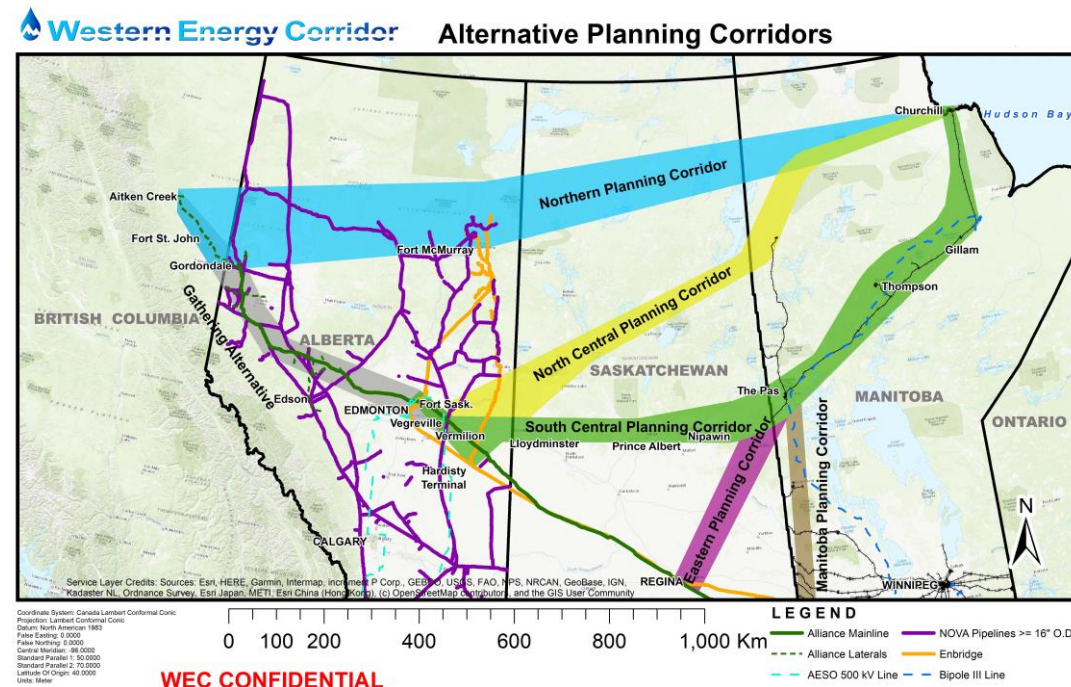
Western Energy Corridor Inc. files a Request for a Regional Assessment with the Impact Assessment Agency of Canada (IAAC)

<https://www.westernenergycorridor.ca/news>

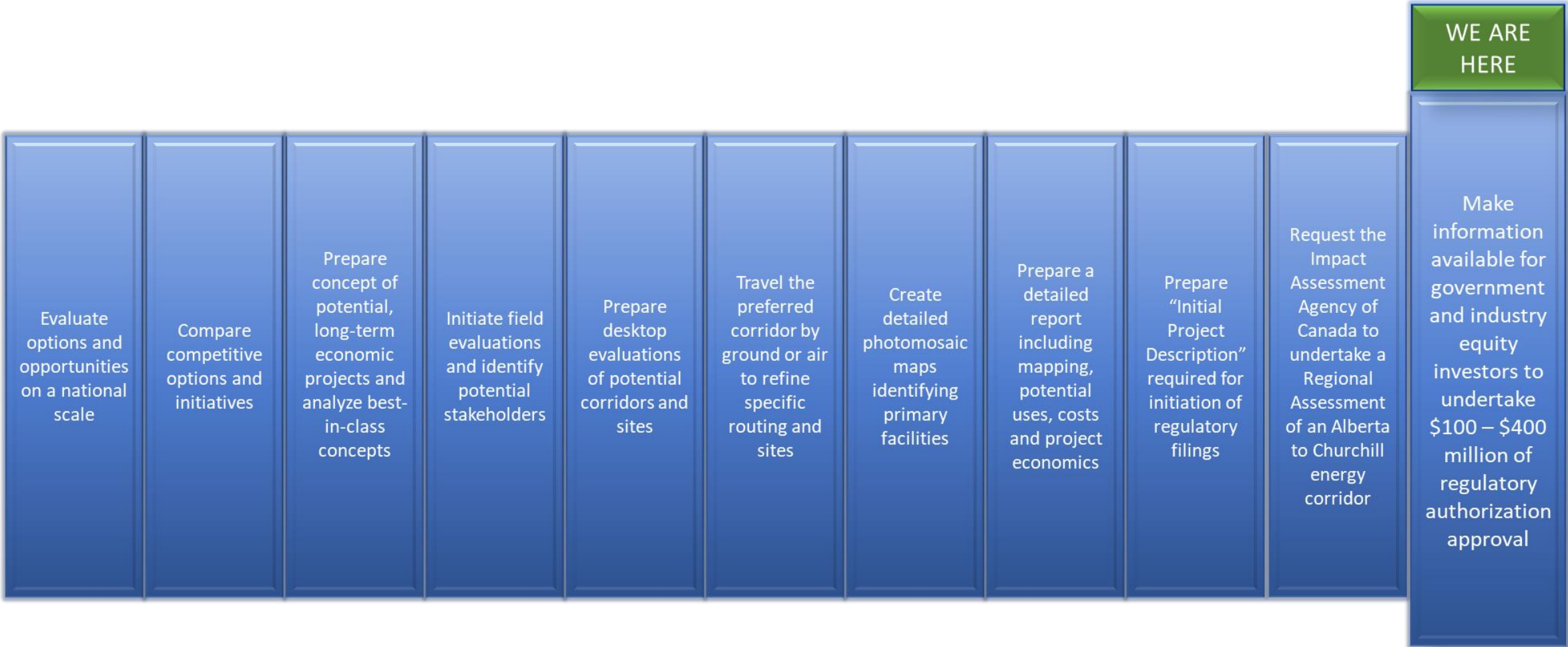
Click to view documents:

[WEC Cover Letter to IAAC](#)

[WEC Summary Information to IAAC](#)

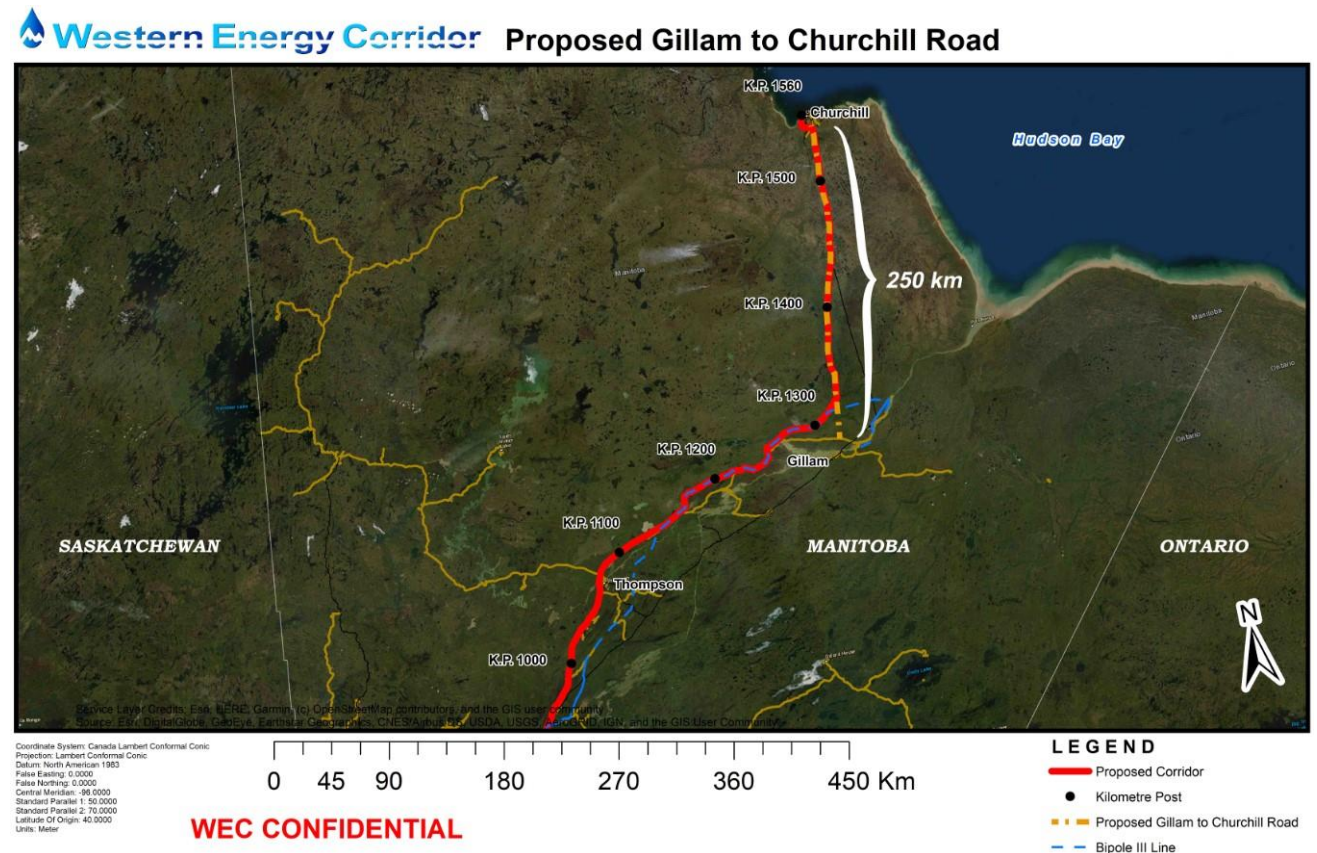


What We Have Achieved



Related benefits to energy corridor development

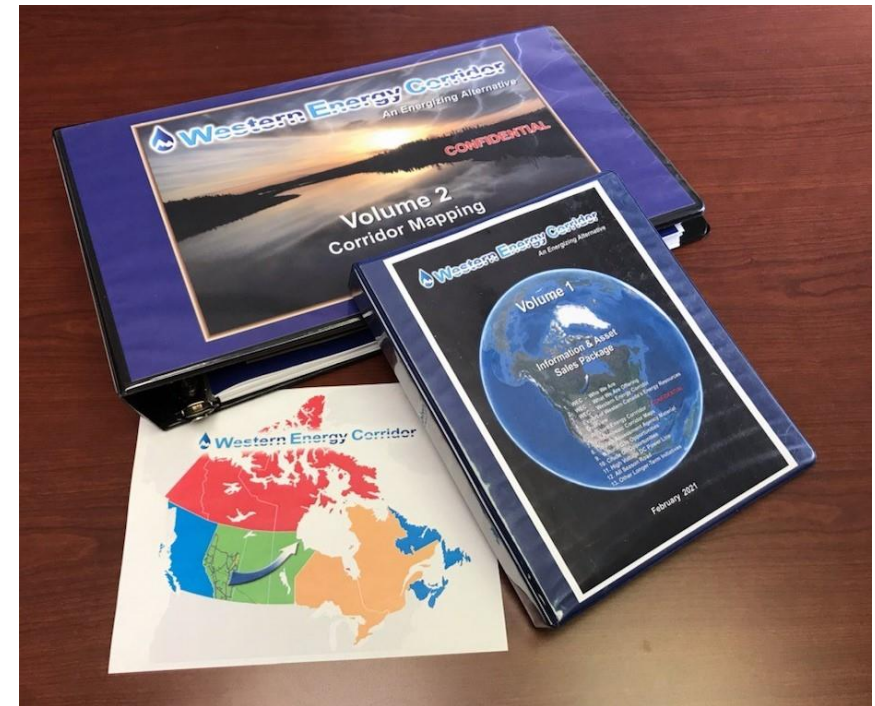
- ❑ All-season 250 km road from Gillam to Churchill, MB will help to reinforce Canada's northern sovereignty and strengthen its land and sea defences.
- ❑ Expanded fibre optic transmission and communications to northern communities.
- ❑ With appropriate technical planning and construction techniques, and as future markets demand, an oil or gas pipeline could transition to alternate uses such as hydrogen or other future fuels.
- ❑ Other advanced pipelines could include the transport of potash slurry, heavy crude/sulphur, or condensed ammonia.
- ❑ Installation and operation of new rail systems on improved rail beds can expand commodity transportation capability.
 - ❑ More advanced future systems might include freight pipelines, using capsules moved magnetically, pneumatically or hydraulically, including hyperloop technologies, to move products such as grains and other bulk commodities.
- ❑ Now, and in the future, Churchill could become an essential port, similar to other critical North American ports.



What we have prepared

Detailed information was prepared to define the Western Energy Corridor and is being made available to be part of the purchaser's overall plan to develop, transport, and market Canada's high-value resource commodities.

- ❑ Detailed digital satellite imagery transferred to terrain alignment sheets.
- ❑ Evaluation of resource market egress to provincial regions, northern communities, Atlantic and Eastern Canada, and international markets.
- ❑ Early development stage analysis of representative projects that could utilize the corridor (natural gas, oil), including estimated facility cost estimates and preliminary toll analysis. Likewise, the report material also considers other alternative uses.
- ❑ The combination of these materials allows for an Initial Project Description, as required by the Impact Assessment Act for large projects proposed within Canada. The Initial Project Description was developed based on a natural gas transmission system utilizing the Western Energy Corridor as a representative project use. This natural gas transmission system would provide natural gas to new and existing gas-consuming regions within Canada and export it through a world-class LNG export facility. This project description could easily be adapted for a crude oil pipeline.



Western Energy Corridor is ready to advance to consultative regulatory approval

Regulatory Approval to Create a Shovel-Ready Western Energy Corridor will:

- Reduce the barrier to new project development with a pre-approved corridor.
- Reduce the cost and duration of environmental assessments and minimize environmental impacts by eliminating multiple corridor reviews.
- Allow for multiple types of pipelines, electric transmission lines, fibre optic cable, and commodities to economically move within western Canada and allow for a high-quality port that can deliver products to other regions of Canada and global markets.
- Prepare Canada for the export of future fuels such as hydrogen.
- Allow for large-scale, multi-billion-dollar infrastructure investment providing economic stimulus and employment opportunities throughout Canada.
- Strengthen Canadian sovereignty over vast Arctic regions and represents critical infrastructure under Canada's Arctic and Northern Policy Framework.
- Increase investment certainty for investors and taxation revenue for governments.
- Increase Canada's energy supply security.

We have communicated our message to the federal government.

We seek advice for Canada's success.

Visit our website at:

www.WesternEnergyCorridor.ca

Contact us at:

info@WesternEnergyCorridor.ca



Designed and developed to allow for the competitive movement of Canada's valuable energy and resource commodities through improved environmental and citizen-respected development.